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PRODUKTINFORMATION

Vi reserverar oss mot fel samt förbehåller oss rätten till ändringar utan föregående meddelande

ELFA artikelnr

76-101-08 Bänkmultimeter APPA 201

76-101-24 Bänkmultimeter APPA 205

76-101-40 Bänkmultimeter APPA 207

APPA 200 Series VersaMeter

☞☞☞☞☞The Most Friendly Bench Instruments



Designed for using in a laboratory

Designed for harsh environment too.

Extra 165 back storage for full accessories.

Handle carrying design for mobility.

APPA 201

- 2000 count large scale digital display
- Autoranging and Manual selection
- Backlight
- AC/DC Dual Power Sources
- Data Hold
- Diode and Continuity Test
- 6KV transients protection on 660 VAC feeders
- Conformed to meet UL 3111 and IEC 10101-1 Specification

APPA 203

- 4000 count large scale digital display
- 42 segment analog bargraph display
- Autoranging and Manual selection
- Backlight
- AC/DC Dual Power Sources
- Data Hold
- Diode and Continuity Test
- Frequency counter, Capacitance
- Min/Max Hold
- Relative Mode
- 6KV transients protection on 660 VAC feeders
- Conformed to meet UL 3111 and IEC 10101-1 Specification



APPA 205

- 4000 count large scale digital display
- 42 segment analog bargraph display
- True-RMS
- Autoranging and Manual selection
- AC/DC Dual Power Sources
- Backlight
- Data Hold
- Diode and Continuity Test
- Frequency counter, Capacitance
- Min/Max Hold
- Relative Mode
- Store, Recall function
- 6KV transients protection on 660 VAC feeders
- Conformed to meet UL 3111 and IEC 10101-1 Specification



APPA 207

- 40000/4000 count large scale display
- 80 segment analog bar graph
- AC+DC True-RMS
- Fully Autoranging on 12 function
- On-Screen-Menu Operation
- VAC/Hz/Period Triple display
- EL Backlit
- Full Accessories
- Optical RS232 Connection
- AC/DC Dual Power Sources
- Auto Calibration
- Virtual Instrumentation
- Data Acquisition and Analysis
- CAT.III 600V/CAT.II1000V Safety Standards



APPA 200 Series VersaMeter

The Most Friendly bench Instruments

SPECIFICATIONS: (All at 23°C ± 5°C, < 80% R.H.)

		APPA 201	APPA 203	APPA 205	APPA 207
DCV:	Ranges:	200mV ~ 600V	400mV ~ 600V	400mV ~ 600V	400mV ~ 1000V
	Resolution:	0.1mV	0.1mV	0.1mV	1µV
	Accuracy:	± (0.5%+2d)	± (0.4%+2d), 4V ~ 600V	± (0.1%+2d), 4V ~ 600V	±(0.06% +2d), 400mV ~ 1000V
ACV:	Ranges:	2V ~ 600V	4V ~ 600V	4V ~ 600V	400mV ~ 750V
	Resolution:	1mV	1mV	1mV	0.01mV
	Accuracy:	± (1.5% + 5d)	± (0.8% + 5d), 50Hz ~ 60Hz	± (0.5% + 5d), 50Hz ~ 60Hz	± (0.70% + 5d), 40Hz ~ 100Hz
	Randwidth:	40Hz ~ 500Hz	40Hz ~ 1KHz	40Hz ~ 1KHz	40Hz ~ 100KHz
(AC+DC)V:	Ranges:	NA	NA	NA	Same as ACV
	Resolution:				0.01mV
	Accuracy:				Same as (ACV) + 1.00%+8D
Ω	Ranges:	200 Ω ~ 20M Ω	400 Ω ~ 40M Ω	400 Ω ~ 40M Ω	400 Ω ~ 40M Ω
	Resolution:	0.1 Ω	0.1 Ω	0.1 Ω	0.01 Ω
	Accuracy:	± (0.8% + 2d), 200 Ω ~ 2M Ω	± (0.6% + 4d), 400 Ω	± (0.4% + 4d), 400 Ω	± (0.30% + 2d), 400 Ω ~ 400K Ω
LV Ω	Ranges:	NA	NA	NA	400 Ω ~ 40M Ω
	Resolution:				0.1 Ω
	Accuracy:				± (0.30% + 2d), 400 Ω ~ 400K Ω
DIODE TEST:	Max Test Current:	1.0mA	0.6mA	0.6mA	1.1mA (Typical)
	Open circuit voltage:	3.3 VDC (max.)	3.0 VDC (max.)	3.0 VDC (max.)	3.3 VDC (max.)
	Input Protection	600Vrms	600Vrms	600Vrms	600Vrms
Continuity Test:	Continuity Threshold :	Approx. 50 Ω	Approx. 50 Ω	Approx. 50 Ω	Approx. 50 Ω
	Continuity Indicator:	2KHz Tone Buzzer	2KHz Tone Buzzer	2KHz Tone Buzzer	2KHz Tone Buzzer
	Input Protection	600Vrms	600Vrms	600Vrms	600Vrms

		APPA 201	APPA 203	APPA 205	APPA 207
DCA:	Ranges :	200μA ~ 10A (20A for 60 seconds)	40mA ~ 10A (20A for 30 seconds)	4mA ~ 10A (20A for 30 seconds)	40mA ~ 10A
	Resolution:	0.1μA	1μA	1μA	1μA
	Accuracy:	± (0.8% + 2d), 200μA ~ 200mA	± (0.7% + 2d), 4mA ~ 400A	± (0.4% + 2d), 4mA ~ 400A	± (0.20% + 4d), 40mA ~ 10A
ACA:	Ranges :	200μA ~ 10A (20A for 60 seconds)	4mA ~ 10A (20A for 30 seconds)	4mA ~ 10A (20A for 30 seconds)	4mA ~ 10A
	Resolution:	0.1μA	1μA	1μA	1μA
	Accuracy:	± (1.5% + 5d), 200μA ~ 200mA	± (1.3% + 5d), 4mA ~ 400mA	± (1.0% + 5d)	± (0.80% + 8d), 40mA ~ 10A
	Bandwidth:	40Hz ~ 500Hz	40Hz ~ 1KHz	40Hz ~ 1KHz	40Hz ~ 400KHz
(AC+DC)A:	Ranges :	NA	NA	NA	Same as ACA
	Resolution:				1μA
	Accuracy:				Same as (ACA) +1.00%+8d
Hz:	Ranges :	NA	100Hz ~ 1MHz	100Hz ~ 1MHz	400Hz ~ 4MHz
	Resolution:		0.01Hz	0.01Hz	0.01Hz in 400Hz Range
	Accuracy:		± (0.1% + 4d)	± (0.1% + 4d)	± (0.01% + 1d)
%DF:	Ranges :	NA	NA	NA	20% ~ 80%
	Resolution:				0.1%
	Accuracy:				±6d
Capacitance:	Ranges :	NA	4nF ~ 40nF	4nF ~ 40nF	4nF ~ 10nF
	Resolution:		1pF	1pF	1pF
	Accuracy:		±(1.0%+4d), 40nF ~ 20μF	±(1.0%+4d), 40nF ~ 20μF	±(0.90% +20d), 4nF ~ 40μF
°C/°F:	Ranges :	NA	NA	NA	-200°C ~ 1200°C
	Resolution:				0.1°C
	Accuracy:				1°C +1d, - 50°C ~ 1200°C
					2°C +1d, - 100°C ~ - 50°C
					3°C +1d, - 200°C ~ - 100°C

GENERAL SPECIFICATIONS:

	APPA 201	APPA 203	APPA 205	APPA 207
Display:	3 1/2 digit (2000 count)	3 3/4 digit (4000 count)	3 3/4 digit (4000 count)	4 3/4 digit (40000 count)
Analog bargraph display:	NA	42 segment	42 segment	80 segment
Measuring Rate: 2 times/sec 4 times/sec	•	•	•	for 4 3/4 digit for 3 3/4 digit
Overrang Indication:	"1" Blinks	MSD (Most Significant Digit) Blinks	MSD (Most Significant Digit) Blinks	OL is displayed
Auto Power Off:	Approx. 30 minutes	Approx. 30 minutes	Approx. 30 minutes	User selectable (default: 30 minutes).
Operating Temperature: 0°C ~ 50°C	•	•	•	•
Storage Temperature: -20°C ~ 60°C	•	•	•	•
Temperature Coefficient: 0.1x (Spec. Accuracy)per°C, <18°C or >28°C	•	•	•	•
Relative Hmidity: 0% ~ 80% R.H.	•	•	•	•
Safety:	Conformed to UL 3111 and IEC 1010-1	Conformed to UL 3111 and IEC 1010-1	Conformed to UL 3111 and IEC 1010-1	Designed to IEC 1010-1, UL 3111 and CSA spec.
Power requirement: AC 90 to 264V, 50/60Hz, 10VA min.	•	•	•	•
(User supplied) DC AA or LR6 or AM3 battery 1.5V X 6	•	•	•	•
Battery Life:	1200 hours without backlight (alkaline)	1800 hours without backlight (alkaline)	1800 hours without backlight (alkaline)	100 hours without backlight (alkaline)
Size: without carrying case	218mm (W) x 195mm (L) x 73mm (H)	218mm (W) x 195mm (L) x 73mm (H)	218mm (W) x 195mm (L) x 73mm (H)	230mm (W) x 233mm (L) x 96mm (H)
Weight: without power cord	1.3Kg	1.3Kg	1.3Kg	1.7Kg
Include with the instrument:	Test leads, test clips, carrying strap, power cord, and user's manual	Test leads, test clips, carrying strap, power cord, and user's manual	Test leads, test clips, carrying strap, power cord, and user's manual	Test leads, test clips, carrying strap, Temp. adaptor, Bead Sensor, power cord, RS 232 cable, user's manual and APPA WinDMM 300 Software.